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PATENT

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**COMPOSITIONS AND METHODS USING DENDRIMER-TREATED MICROARRAYS**

**ABSTRACT OF THE DISCLOSURE**

The present invention provides a chemically reactive surface able to covalently react with substances containing a hydroxyl group and/or amine group, comprising a solid surface having an activated dendrimer polyamine covalently bonded to said surface through a silane containing reagent, wherein the dendrimer polyamine can covalently bind the substance comprising a hydroxyl group and/or amino group. The present invention further provides a method for producing chemically reactive surfaces for binding moieties comprising a hydroxyl group and/or amine group, as well as kits comprising the chemically reactive surface of the invention.

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